

# Japan's Space Front: New Missions for Planetary Defense, Orbital Transport, and

Space Exploration · Practice Test · 4 Questions

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**1. What near-Earth asteroid will the joint ESA-JAXA Ramses mission study as part of their deepened planetary defense cooperation, announced this week?**

- A) Vesta
- B) Ceres
- C) Apophis
- D) Ryugu

**2. Which Japanese corporation, supported by JAXA's Space Strategy Fund, recently launched a project to develop an Orbital Transfer Vehicle (OTV) aiming for the first implementation in Asia?**

- A) Mitsubishi Heavy Industries
- B) ispace
- C) NEC Corporation
- D) Toyota

**3. JAXA successfully demonstrated the deployment of an origami-folded antenna structure in space, expanding to how many times its compact launch size?**

- A) 5 times
- B) 10 times
- C) 25 times
- D) 50 times

**4. An international research team led by Japanese institutions recently used which space telescope to observe LAP1-B, an ultra-faint galaxy providing evidence of the universe's earliest stars?**

- A) Hubble Space Telescope
- B) James Webb Space Telescope
- C) Spitzer Space Telescope
- D) Chandra X-ray Observatory